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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO.
10 041,627	01 10 2002	Peter Sattler	2001-1007	5263

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YOUNG & THOMPSON
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EXAMINER

HEITBRINK, TIMOTHY W

ART UNIT	PAPER NUMBER
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1722 5

DATE MAILED: 04/09/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/041,627	
	Examiner	Art Unit
	Tim Heitbrink	1722

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 23 April 2002.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-6 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-6 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* Can be checked if the Office has received a copy of the priority document.

The translation of the foreign language provisional application has been reviewed.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

Notice of Reference(s) Under 35 U.S.C. § 105
 A reference is being made to the following prior art in support of a claim(s). The prior art being referred to is as follows:
 1. *U.S. Pat. No. 5,530,470, issued Jun. 11, 1996, to [REDACTED]*
 2. *U.S. Pat. No. 5,530,471, issued Jun. 11, 1996, to [REDACTED]*
 3. *U.S. Pat. No. 5,530,472, issued Jun. 11, 1996, to [REDACTED]*
 4. *U.S. Pat. No. 5,530,473, issued Jun. 11, 1996, to [REDACTED]*
 5. *U.S. Pat. No. 5,530,474, issued Jun. 11, 1996, to [REDACTED]*
 6. *U.S. Pat. No. 5,530,475, issued Jun. 11, 1996, to [REDACTED]*
 7. *U.S. Pat. No. 5,530,476, issued Jun. 11, 1996, to [REDACTED]*
 8. *U.S. Pat. No. 5,530,477, issued Jun. 11, 1996, to [REDACTED]*
 9. *U.S. Pat. No. 5,530,478, issued Jun. 11, 1996, to [REDACTED]*
 10. *U.S. Pat. No. 5,530,479, issued Jun. 11, 1996, to [REDACTED]*
 11. *U.S. Pat. No. 5,530,480, issued Jun. 11, 1996, to [REDACTED]*
 12. *U.S. Pat. No. 5,530,481, issued Jun. 11, 1996, to [REDACTED]*
 13. *U.S. Pat. No. 5,530,482, issued Jun. 11, 1996, to [REDACTED]*
 14. *U.S. Pat. No. 5,530,483, issued Jun. 11, 1996, to [REDACTED]*
 15. *U.S. Pat. No. 5,530,484, issued Jun. 11, 1996, to [REDACTED]*
 16. *U.S. Pat. No. 5,530,485, issued Jun. 11, 1996, to [REDACTED]*
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 18. *U.S. Pat. No. 5,530,487, issued Jun. 11, 1996, to [REDACTED]*
 19. *U.S. Pat. No. 5,530,488, issued Jun. 11, 1996, to [REDACTED]*
 20. *U.S. Pat. No. 5,530,489, issued Jun. 11, 1996, to [REDACTED]*
 21. *U.S. Pat. No. 5,530,490, issued Jun. 11, 1996, to [REDACTED]*
 22. *U.S. Pat. No. 5,530,491, issued Jun. 11, 1996, to [REDACTED]*
 23. *U.S. Pat. No. 5,530,492, issued Jun. 11, 1996, to [REDACTED]*
 24. *U.S. Pat. No. 5,530,493, issued Jun. 11, 1996, to [REDACTED]*
 25. *U.S. Pat. No. 5,530,494, issued Jun. 11, 1996, to [REDACTED]*
 26. *U.S. Pat. No. 5,530,495, issued Jun. 11, 1996, to [REDACTED]*
 27. *U.S. Pat. No. 5,530,496, issued Jun. 11, 1996, to [REDACTED]*
 28. *U.S. Pat. No. 5,530,497, issued Jun. 11, 1996, to [REDACTED]*
 29. *U.S. Pat. No. 5,530,498, issued Jun. 11, 1996, to [REDACTED]*
 30. *U.S. Pat. No. 5,530,499, issued Jun. 11, 1996, to [REDACTED]*
 31. *U.S. Pat. No. 5,530,500, issued Jun. 11, 1996, to [REDACTED]*
 32. *U.S. Pat. No. 5,530,501, issued Jun. 11, 1996, to [REDACTED]*
 33. *U.S. Pat. No. 5,530,502, issued Jun. 11, 1996, to [REDACTED]*
 34. *U.S. Pat. No. 5,530,503, issued Jun. 11, 1996, to [REDACTED]*
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 37. *U.S. Pat. No. 5,530,506, issued Jun. 11, 1996, to [REDACTED]*
 38. *U.S. Pat. No. 5,530,507, issued Jun. 11, 1996, to [REDACTED]*
 39. *U.S. Pat. No. 5,530,508, issued Jun. 11, 1996, to [REDACTED]*
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 54. *U.S. Pat. No. 5,530,523, issued Jun. 11, 1996, to [REDACTED]*
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 56. *U.S. Pat. No. 5,530,525, issued Jun. 11, 1996, to [REDACTED]*
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 59. *U.S. Pat. No. 5,530,528, issued Jun. 11, 1996, to [REDACTED]*
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 61. *U.S. Pat. No. 5,530,530, issued Jun. 11, 1996, to [REDACTED]*
 62. *U.S. Pat. No. 5,530,531, issued Jun. 11, 1996, to [REDACTED]*
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 64. *U.S. Pat. No. 5,530,533, issued Jun. 11, 1996, to [REDACTED]*
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 69. *U.S. Pat. No. 5,530,538, issued Jun. 11, 1996, to [REDACTED]*
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 72. *U.S. Pat. No. 5,530,541, issued Jun. 11, 1996, to [REDACTED]*
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 151. *U.S. Pat. No. 5,530,620, issued Jun. 11, 1996, to [REDACTED]*
 152. *U.S. Pat. No. 5,530,621, issued Jun. 11, 1996, to [REDACTED]*
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 160. *U.S. Pat. No. 5,530,629, issued Jun. 11, 1996, to [REDACTED]*
 161. *U.S. Pat. No. 5,530,630, issued Jun. 11, 1996, to [REDACTED]*
 162. *U.S. Pat. No. 5,530,631, issued Jun. 11, 1996, to [REDACTED]*
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 185. *U.S. Pat. No. 5,530,654, issued Jun. 11, 1996, to [REDACTED]*
 186. *U.S. Pat. No. 5,530,655, issued Jun. 11, 1996, to [REDACTED]*
 187. *U.S. Pat. No. 5*

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text are permitted to be submitted on compact discs.) or REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
- (e) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (f) BRIEF SUMMARY OF THE INVENTION.
- (g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (h) DETAILED DESCRIPTION OF THE INVENTION.
- (i) CLAIM OR CLAIMS (commencing on a separate sheet).
- (j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

The above headings should be inserted where appropriate

1. bore 13 or bush 13

Appropriate correction is required

Art Unit: 1722

Claims 1-6 are objected to because of the following informalities: in claim 1, line 4, "cilinder" should be spelled --cylinder--. Appropriate correction is required.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 4 is rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. It is not described in the specification how mere rotation of element 40 provides for adjustment of the pin as well as maintaining communication with bore 39.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2, 3, 5 and 6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 2, it is unclear what the signal is indicative of.

"...the signal is indicative of either a fault or for the needle position." The

specification does not provide any antecedent basis for this language.

In claim 5, proper antecedent basis is lacking for the flow detection means. The Examiner's assumption that claim 5 was meant to depend upon claim 3 instead

Claim 6 depends upon claim 1 and yet recites several of the same elements found in claim 1. It is unclear if these elements are the same as or different from the elements found in claim 1.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1 and 6 are rejected under 35 U.S.C. 102(e) as being anticipated by Steil et al.

a cylinder housing 54 having a first pressure medium inlet 50 connected to a first pressure medium duct and a second pressure medium inlet 52 connected to a second

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pressure medium duct, and a piston 76 reciprocatable in the cylinder housing between an upper and lower end position, the piston being suitable to be coupled to a valve pin 28, characterized in that the piston comprises a fluid passage 114 via which pressure medium can pass when the piston is in a position between its upper and lower position and which is partly closed off when the piston is in its lower and upper position.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Steil et al. as applied to claims 1 and 6 above, and further in view of Lee et al.

While Steil et al does not disclose adjustment of the valve pin, Lee et al. discloses a valve pin height adjustment means 62 displaceable in a cylinder housing 54 to be conventional.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide a height adjustment means in the cylinder housing of Steil et al. in order to adjust the height of the valve pin as suggested by Lee et al.

Claims 2,3,5 would be allowable if rewritten to overcome the rejection(s) under 35 U S C 112 second paragraph set forth in this Office action and to include all of the

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The above claims define over the prior art since the prior art fails to disclose or suggest a flow detection means for forming a displacement signal indicative of the pin position.

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claim 4 is provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-9 of copending Application No. 10/041632. Although the conflicting claims are not identical, they are not patentably distinct from each other because they both claim a height adjusting means.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Any inquiry concerning this communication or earlier communications from the

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda Walker can be reached on 703-308-0457. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Tim Heitbrink
Tim Heitbrink
Primary Examiner
Art Unit 1722

twh
April 6, 2003

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